

**EILING YEE, PH.D.**

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**RESEARCH INTERESTS**

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Semantic memory, neural representation of concepts, word recognition, language processing, aphasia, neural basis of language

**EMPLOYMENT**

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| 2014-Present | University of Connecticut, Assistant Professor, Department of Psychology, Cognitive Science Program, CT Institute for Brain and Cognitive Sciences |
| 2011-2014    | Basque Center on Cognition, Brain and Language<br>Staff Scientist (= <i>tenure-track research professor</i> )                                      |
| 2005-2010    | University of Pennsylvania, Postdoctoral Fellow<br>Center for Cognitive Neuroscience & Department of Psychology<br>Mentor: Sharon Thompson-Schill  |

**EDUCATION**

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| 2005 | Brown University, Ph.D., Department of Cognitive & Linguistic Sciences<br>Advisors: Julie Sedivy & Sheila Blumstein                        |
| 1996 | University of Rochester, B.A., <i>magna cum laude</i> with Honors in Cognitive Science;<br>Undergraduate Thesis Advisor: Michael Tanenhaus |

**GRANTS AND AWARDS**

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| 2016-2017 | “The Role of the Hippocampus in Understanding Abstract Concepts; Research Excellence Program, UConn (PI; \$22,263)  |
| 2016-2017 | “Inhibition in Biologically-Plausible Models of Semantic Processing: Causal Studies using tDCS”; Connecticut Institute for the Brain and Cognitive Sciences (PI; \$8,400)             |
| 2014-2015 | “Pathophysiology and linguistic impact of impact of impulse control disorder in Parkinson’s Disease”; Diputación Foral de Gipuzkoa. (PI, Maria Cruz Rodriguez-Orzo; €56,658)          |
| 2013-2015 | “Concepts in contexts”; Plan Nacional, Spanish Ministry of Economy & Competitiveness (PI; €65,000)  |
| 2011-2016 | “How are concepts represented? Cognitive and neural investigations of typical and atypical populations”; Ramon y Cajal Award, Spanish Ministry of Science & Innovation (PI; €183,600) |
| 2011-2013 | “Words and the infant brain”; Modalidad Proyectos de Movilidad;<br>(Co-PI with Nivedita Mani; €17,900)  |
| 2006-2009 | “The organization of semantic memory”; Ruth L. Kirschstein NRSA<br>(PI; NIH F32 HD05136: \$139,618)   |
| 2007      | University of Michigan fMRI Training Course Fellowship  |
| 2005      | Joukowsky Family Foundation Outstanding Dissertation Award, Honorable Mention   |

**PUBLICATIONS** (student co-authors in italics)

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- Yee, E.** Fluid semantics: Semantic knowledge is experience-based and dynamic. To Appear in *Speech and Language Processing*. A. Lahiri (Ed.). Mouton.
- Yee, E.,** & Thompson-Schill, S.L., Putting Concepts into Context. In Press in *Psychonomic Bulletin and Review*.
- Yee, E.,** Chrysikou, E.G., *Hoffman, E.,* & Thompson-Schill, S.L. (2013). Manual experience shapes object representation. *Psychological Science, 24*(6), 909-919.
- Yee, E.,** Chrysikou, E.G., Thompson-Schill, S.L. Semantic Memory. (2013). Semantic Memory. In Kevin Ochsner and Stephen Kosslyn (Eds.), *The Oxford Handbook of Cognitive Neuroscience* (pp. 353-374). Oxford University Press.
- White, K.S., **Yee, E.,** Blumstein, S.E. & Morgan, J. (2013). Adults show less sensitivity to phonetic detail in unfamiliar words, too. *Journal of Memory and Language, 68*, 362-378.
- Yee, E.,** *Ahmed, S.,* & Thompson-Schill, S.L. (2012). Colorless green ideas (can) prime furiously. *Psychological Science, 23* (4), 364-369.
- Yee, E.,** *Huffstetler, S.,* & Thompson-Schill, S.L. Function follows form: Activation of shape & function features during object identification. (2011). *Journal of Experimental Psychology: General, 140*(3), 348-363. doi: 10.1037/a0022840
- Mirman\*, D., **Yee\*, E.,** Blumstein, S.E., & Magnuson, J.S. (2011). Theories of spoken word recognition deficits in aphasia: Evidence from eye-tracking and computational modeling. *Brain and Language, 117*, 53-68.  
\*The first two authors contributed equally to this work.
- Yee, E.,** Drucker, D.M., & Thompson-Schill, S.L. (2010). fMRI-adaptation evidence of overlapping neural representations for objects related in function or manipulation. *NeuroImage, 50*, 743-763.
- Myung, J., Blumstein, S.E., **Yee, E.,** Sedivy, J., Thompson-Schill, S.L., & Buxbaum, L. (2010). Impaired access to manipulation features in apraxia: Evidence from eyetracking and semantic judgment tasks. *Brain and Language, 112*, 101-112.
- Yee, E.,** *Overton, E.,* & Thompson-Schill, S.L. (2009). Looking for meaning: Eye movements are sensitive to overlapping semantic features, not association. *Psychonomic Bulletin and Review, 16*(5), 869-874.
- Yee, E.,** Blumstein, S.E., & Sedivy, J.C. (2008). Lexical-semantic activation in Broca's and Wernicke's aphasia: Evidence from eye movements. *Journal of Cognitive Neuroscience, 20*, 592-612.
- Yee, E.,** & Sedivy, J.C. (2006). Eye movements to pictures reveal transient semantic activation during spoken word recognition. *Journal of Experimental Psychology: Learning, Memory and Cognition, 32*(1), 1-14.
- Ullman, M. T., Izvorski, R., Love, T., **Yee, E.,** Swinney, D., & Hickok, G. (2005). Neural correlates of lexicon and grammar: Evidence from the production, reading and judgment of inflection in aphasia. *Brain and Language, 93*, 185-238.
- Yee, E.,** Blumstein, S.E., & Sedivy, J.C. (2004). The Time course of lexical activation in Broca's and Wernicke's aphasia: Evidence from eye movements. *Brain and Language, 91*, 62-63.

## MANUSCRIPTS UNDER REVIEW OR IN PREPARATION

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Yee E., & Heller, D. Sometimes you look more when you know less.

Pejovic, J., Molnar, M., Yee, E., & Martin, C. 'Kiki' looks more angular in some languages than others: Language experience shapes the bouba-kiki effect.

## INVITED TALKS

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*Concepts in Contexts*, Brown University, April 2016.

*The embodiment of abstract concepts?* Basque Center on Cognition, Brain and Language, January, 2016.

*What the eyes reveal about the cognitive and neural representations of object concepts.* Keynote at CLaS-CCD Eye-tracking Workshop at Macquarie University, June, 2015

*The cognitive and neural representations of object concepts*, Stony Brook University, February, 2015.

*Concepts in Contexts*. University of Connecticut, January, 2015.

*Concepts in Contexts*. Basque Center on Cognition, Brain and Language, January, 2015.

*The cognitive and neural representations of object concepts*, Haskins Laboratories, December, 2014.

*The neural representation of lexical concepts*. Workshop on Lexical Processing, Oxford, UK, August, 2014

*Word meanings can be quite handy (and shapely!).* Workshop on "Understanding the meaning of words and sentences: The role of non-linguistic processes", Tubingen, Germany, September, 2012

*Word recognition: From sound to meaning*. The University of Gottingen, Germany, June, 2012

*Experience influences object representations*. The University of Pennsylvania, Center for Cognitive Neuroscience, April, 2012

*How are concepts represented? Neural and behavioral evidence for distributed representations*. University of Waterloo, Department of Psychology, April, 2012

*Roses are red. Jeans are blue. Frisbees are round, and triangles can be too.* Talk presented as part of: Interactions Between Vision and Language: The state of the art Symposium presented at the 17th Meeting of the European Society for Cognitive Psychology, San Sebastian, Spain. September 2011.

*How are concepts represented? Converging evidence for distributed representations*. University of Nevada - Reno, Department of Psychology, March, 2011

*Overlap of semantic representations: Converging evidence from eye-tracking and fMRI*. 39<sup>th</sup> Annual Meeting of the Society for Computers in Psychology (Psychonomic Society Satellite Conference), November, 2009

## CONFERENCE PRESENTATIONS (PARTIAL LIST)

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Joergensen, G. H., Welles, R., Seng, K., Orvis, P., Ryan, J. & Yee, E. (2016). Body Posture and the Representation of "Abstract" Concepts. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY.

Yee, E., & Molnar, M. (2015) Does sound symbolism influence speech production? Poster presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.

Boddy, P. & Yee, E. (2015). Visual Properties of Object Semantics are Experience Related. Poster presented at Embodied and Situated Language Processing (ESLP), Lyon, France.

Pejovic, J., Molnar, M., Yee, E. & Martin, M. (2015). Development of the sound-shape correspondence effect. Poster presented at Workshop on Infant Language Development (WILD 2015), Stockholm, Sweden.

- Boddy, P., Yee, E.* (2015). Experience Related Interference to Object Semantics from Visual Task. Poster presented at the Workshop on Concepts, Actions and Objects, Rovereto, Italy.
- Orvis, P., Ryan, J., Seng, K., Welles, R., Yee, E.* (2015). Body Posture and Semantic Processing. Poster presented at the 6<sup>th</sup> UConn Language Fest, Storrs, USA.
- Ekves, Z., Joergensen, G. H., Yee, E., & Altmann, G. T. M.* (2015). Semantic and episodic memory integration during sentence processing. Poster presented at the 6<sup>th</sup> UConn Language Fest, Storrs, USA.
- Pejovic, J., Molnar, M., Martin, C., & Yee, E.* (2014). Shape-sound matching abilities are limited in young monolingual and bilingual infants. Poster presented at the Society for the Neurobiology of Language (SNL), Amsterdam, The Netherlands.
- Molnar, M., Pejović, J., Yee, E. & Carreiras, M.* (2014). Are all bilingual infants created equal? Cognitive gains in preverbal Basque-Spanish bilingual and Spanish monolingual infants. Poster presented at XIX Biennial International Conference on Infant Studies, Berlin, Germany.
- Pejovic, J., Molnar, M., Martin, C., & Yee, E.* (2014). The development of sound-shape correspondence effect in infants Poster presented at the Second Basque neuroscience meeting. Neurogune. San Sebastian, Spain.
- Antzaka, A. & Yee, E.* (2014). How does recent attention to colour modify colour's salience as a semantic feature? Poster presented at the workshop "Color in Concepts: Color Representation and Processing in Language and Cognition", Düsseldorf, Germany.
- Boddy, P., & Yee, E.* (2014). What the Ear Hears Affects What the Eyes See: Semantic Interference on Visual Task Performance. Poster presented at the 2014 CNS Annual meeting in Boston, MA.
- Bobb, S., Thomas, C., Yee, E. & Mani N.* (2014). When “dog” activates “cat” to prime “cap”: Cascaded semantic to phonological activation in toddler word recognition. Poster presented at the 2014 International Conference on Infant Studies, Berlin, Germany.
- Yee, E., & Heller, D.* (2012). Looking more when you know less: Goal-dependent eye movements during reference resolution. Poster presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Yee, E., & Altmann, G.T.M.* (2012). Balancing long-term syntactic knowledge against short-term experience: The case of the missing adjective. Poster presented at the 18<sup>th</sup> Annual conference on Architectures and Mechanisms for Language Processing. Rival De Garda, Italy.
- Yee, E., Musz, E., & Thompson-Schill, S.L.* (2012). Mapping the similarity space of concepts in sensorimotor cortex. Talk presented at Embodied and Situated Language Processing, Newcastle Upon Tyne, UK.
- Musz, E., Yee, E., & Thompson-Schill, S.L.* (2012). Mapping the similarity space of concepts in sensorimotor cortex. Cognitive Neuroscience Society, Chicago, IL.
- Yee, E., Lupyan, G., & Thompson-Schill, S.L.* (2011). Made you look: Linguistic information can cause (instruction-violating) eye movements to irrelevant objects. Poster presented at the 52<sup>st</sup> Annual Meeting of the Psychonomic Society, Seattle, WA.
- Yee, E., Ahmed, S., & Thompson-Schill, S.L.* (2011). Priming in context: Colorless green ideas *can* prime furiously. Poster presented at the 17<sup>th</sup> Annual conference on Architectures and Mechanisms for Language Processing. Paris, France.
- Yee, E., Chrysikou, E.G., Hoffman, E., Levesque, A., & Thompson-Schill, S.L.* (2011). Playing patty-cake while listening to words: A concurrent manual task interferes with comprehending the names of objects that are interacted with manually. Talk presented at the 24<sup>th</sup> annual CUNY Conference on Human Sentence Processing.
- Yee, E., Ahmed, S., & Thompson-Schill, S.L.* (2010). Colorless green ideas (can) prime furiously. Poster presented at the 51<sup>st</sup> Annual Meeting of the Psychonomic Society.

- Yee, E.,** Chryssikou, E.G., Navarro, C., Akbar, M., & Thompson-Schill, S.L. (2010). a concurrent manual task interferes with the naming of objects that are frequently manipulated. Poster presented at the 17<sup>th</sup> annual meeting of the Cognitive Neuroscience Society.
- Yee, E.,** Huffstetler, S., & Thompson-Schill, S.L. (2009). Function follows form: activation of shape & function features during concept retrieval. Poster presented at the 50<sup>th</sup> Annual Meeting of the Psychonomic Society.
- Yee, E.,** & Drucker, D.M., & Thompson-Schill, S.L. (2009). fMRI-adaptation evidence of overlapping neural representations for objects related in function or manipulation. Poster presented at the 16<sup>th</sup> annual meeting of the Cognitive Neuroscience Society.
- Yee, E.,** Heller, D., & Sedivy, J.C. (2009). On the relationship between eye-movements and activation: Active vs. passive tasks during ambiguous pronoun resolution. Poster presented at the 22<sup>nd</sup> annual CUNY Conference on Human Sentence Processing.
- Yee, E.,** & Thompson-Schill, S.L. (2008). When you hear “frog”, you look at the *peas* (even when they’re in black and white). Poster presented at the 49<sup>th</sup> annual meeting of the Psychonomic Society.
- Yee, E.,** Huffstetler, S., & Thompson-Schill, S.L. (2008). Looking for meaning: Using eye movements to characterize the organization of semantic memory. Poster presented at the 15<sup>th</sup> annual meeting of the Cognitive Neuroscience Society.
- Mirman, D., **Yee, E.,** Magnuson, J.S., & Blumstein, S.E. (2008). Statistical and computational investigations of the time course of spoken word recognition in aphasia. Poster presented at the 15<sup>th</sup> annual meeting of the Cognitive Neuroscience Society.
- Yee, E.,** & Thompson-Schill, S.L. (2007). Does lexical activation flow from word meanings to word sounds during spoken word *recognition*? Poster presented at the 48<sup>th</sup> annual meeting of the Psychonomic Society.
- Heller, D., **Yee, E.,** & Sedivy, J.C. (2007). What do eye movements tell us about reference resolution? Using ambiguous pronouns to evaluate the linking hypotheses. Poster presented at the 20<sup>th</sup> annual CUNY Conference on Human Sentence Processing.
- Yee, E.,** & Thompson-Schill, S.L. (2006). Semantic activation of rhyming words during spoken word recognition. Poster presented at the 47<sup>th</sup> annual meeting of the Psychonomic Society.
- Yee, E.,** Huffstetler, S., Dahan, D., & Thompson-Schill, S.L. (2006). Does hearing the name of an object partially activate objects that are similar in shape and size? Poster presented at the 13<sup>th</sup> annual meeting of the Cognitive Neuroscience Society.
- Myung, J., Blumstein, S.E., Buxbaum, L.J., & **Yee, E.** (2006). Impaired access to manipulation features in apraxia: Evidence from eyetracking and semantic judgment tasks. Poster presented at the 13<sup>th</sup> annual meeting of the Cognitive Neuroscience Society.
- Yee, E.,** Dahan D., Huffstetler, S., Taylor, J. & Thompson-Schill, S.L. (2005). Hearing the name of an object partially activates objects with similar functions. Poster presented at the 18<sup>th</sup> annual CUNY Conference on Human Sentence Processing.
- Yee, E.,** Blumstein, S.E., & Sedivy, J.C. (2004). The time course of lexical activation in Broca’s and Wernicke’s aphasia: Evidence from eye movements. Paper presented at the 42<sup>nd</sup> annual meeting of the Academy of Aphasia.
- Yee, E.,** & Sedivy, J.C. (2003). Listeners activate the semantic representations of rhyming words during spoken word recognition. Poster presented at the 16<sup>th</sup> annual CUNY Conference on Human Sentence Processing.
- Yee, E.,** Taylor, J., & Sedivy, J.C. (2002). When all you’ve got is *hammock* everyone looks at a *nail*. Paper presented at the 3<sup>rd</sup> International Conference on the Mental Lexicon.
- Yee, E.,** & Sedivy J. (2001). Using eye movements to track the spread of semantic information during spoken word recognition. Paper presented at the 14<sup>th</sup> annual CUNY Conference on Human Sentence Processing.
- Yee, E.,** Blumstein, S. & Sedivy J. (2000). The time course of lexical activation in Broca’s aphasia: Evidence from eye movements. Poster presented at the 13<sup>th</sup> annual CUNY Conference on Human Sentence Processing.

**TEACHING**

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*University of Connecticut*

Spring 2016	<i>The Psychology of Language</i>
Fall 2015	<i>Seminar on Psycholinguistics; The Psychology of Language</i>
Spring 2015	<i>The Psychology of Language</i>
Fall 2014	<i>Seminar on Semantic Memory</i>

*Basque Center on Cognition, Brain & Language*

Fall 2013	<i>The Mental Lexicon</i>
Spring 2012	Guest Lecturer: <i>The Mental Lexicon</i>
Fall 2012	<i>Acquired Language Disorders</i>
Spring 2012	Guest Lecturer: <i>The Mental Lexicon</i>
Fall 2011	<i>Acquired Language Disorders</i>

*University of Pennsylvania*

Spring 2008	Project Advisor: <i>Research Experience in Cognitive Psychology</i>
Spring 2007	Guest Lecturer: <i>Honors Seminar in Psychology</i>
Spring 2006	Guest Lecturer: <i>Cognition</i>

*Brown University*

Spring 2002	Teaching Assistant: <i>Language, Truth and Advertising</i>
Spring 2001	Teaching Assistant: <i>Language, Truth and Advertising</i>
Fall 1999	Teaching Assistant: <i>Introduction to Statistics for the Behavioral Sciences</i>
Fall 1999	Teaching Assistant: <i>Cognition</i>

**MENTORING**

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2015 & 2016	Charles Davis: <i>PhD supervisor</i> Kagnica Seng, Rebecca Welles, Patrick Orvis; Jessica Joseph; Caitlin Dowling; Amanda Pitruzzello, Khadijah Hayes, Mackenzie Murphy, Julia Ryan: <i>Undergraduate Research in Psychology</i>
2013-present	Peter Boddy & Jovana Pejovic: <i>PhD supervisor</i>
2013-2014	Alex Gorborov: <i>Masters thesis supervisor</i>
2012-2013	Peter Boddy & Alexia Antzaka: <i>Masters thesis supervisor</i>
Fall 2010	Alexa Levesque: <i>Independent Research in Cognitive Neuroscience</i>
Spring-Summer 2010	Sarah Ahmed, Esther Hoffman: <i>Independent Research in Cognitive Neuroscience</i>
Summer 2009	Miriam Akbar: <i>Independent Research in Cognitive Neuroscience</i>
Spring 2009	Nitya Kanuri: <i>Independent Research in Cognitive Neuroscience</i>
2007-2008	Christina Nigro: <i>Independent Research in Cognitive Neuroscience</i>
2006-2007	Eve Overton: <i>Senior Honors Thesis in Biological Basis of Behavior</i>
Spring 2005	Stacy Huffstetler: <i>Independent Study in Cognitive Neuroscience</i>

**WORK EXPERIENCE**

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1996-1998	Laboratory Manager, Brain and Language Laboratory, Georgetown University
Summer 1995	Research Assistant, Neurobiology Laboratory, Harvard University
1994-1996	Research Assistant, Language Comprehension Laboratory, Univ. of Rochester
Spring 1994	Research Assistant, Department of Education, University of Adelaide, Australia

## **PROFESSIONAL SERVICE**

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Ad Hoc Reviewer: *Psychological Science*, *Journal of Experimental Psychology: General*; *Cognition*; *Journal of Memory and Language*; *NeuroImage*; *Cortex*; *Journal of Experimental Psychology: HPP*; *Journal of Experimental Psychology: LMC*; *Neuropsychologia*; *Cognitive Neuroscience*; *Cerebral Cortex*; *Quarterly Journal of Experimental Psychology*; *Memory and Cognition*; *Language, Cognition & Neuroscience*; *Acta Psychologica*; *Cognitive Processing*; *Language and Speech*; *Frontiers in Cognitive Science*; *CUNY Conference on Human Sentence Processing*; *Architectures and Mechanisms for Language Processing*; *European Society for Cognitive Psychology*; *Cognitive Science Society*.

Editorial Boards: *Cognition* (2011-2014); *Frontiers in Language Sciences*

External Service:

European Society for Cognitive Psychology, Scientific Committee, 2011

Grant reviewing: *NSF Linguistics Program*; *Human Frontier Science Program*

External Examiner for Ph.D. thesis of Claire Moody *Investigating the Link between Action Language and Action Performance*, Department of Psychology, University of York, UK.

Co-organizer of ESCoP symposium: *Interactions Between Vision and Language: The state of the art*. ESCOP, San Sebastian, Spain. September 2011

Prize Panel for International Workshop on Bilingualism and Cognitive Control, Krakow, May, 2013

Departmental/Internal Service:

Brain Imaging Research Center Seed Project Evaluation Committee, University of Connecticut

External Speaker Series Organizer, Basque Center on Cognition, Brain & Language

Center for Cognitive Neuroscience Subject Pool Administrator, University of Pennsylvania

Concepts Journal Club Organizer, University of Pennsylvania

Departmental Seminar Series Graduate Student Organizer, Brown University

Departmental Student-Faculty Liaison, Brown University

Faculty Search Committee Graduate Student Representative, Brown University

Semantic Memory Journal Club Organizer, Brown University

## **PROFESSIONAL AFFILIATIONS**

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Cognitive Neuroscience Society, Cognitive Science Society, Psychonomic Society, Association for Psychological Science, European Society for Cognitive Psychology, Society for the Neurobiology of Language.